

In the claims:

Please cancel claims 15-25 without prejudice or disclaimer.

Please add the following new claims:

26. ~~An interface device capable of communicating with a computer running an interactive computer application and generating a graphic image, the interface device comprising:~~
~~a peripheral device in communication with the computer and capable of being translated linearly in three dimensions by a user, the peripheral device comprising a force applying element adapted to apply a force to the user, and~~
~~a sensor coupled to the peripheral device to detect a position of the peripheral device to control the graphic image, the sensor comprising an encoder,~~
~~wherein the force applying element applies a force to the user based on the interaction of the graphical image with a graphical object.~~

27. An interface device according to claim 26 wherein the encoder is an optical encoder.

28. An interface device according to claim 26 wherein the peripheral device is capable of being moved in six degrees of freedom.

29. An interface device according to claim 26 further comprising a cable for forcing the force applying element.

30. An interface device capable of communicating with a computer running an interactive computer application and generating a graphic image, the interface device comprising:
a peripheral device in communication with the computer and capable of being manipulated by a user, the peripheral device comprising a first force applying element adapted to apply a force to a first portion of the user and a second force applying element adapted to apply a force to a second portion of the user; and
a sensor coupled to the peripheral device to detect a position of the peripheral device to control the graphic image,
wherein the force applying elements apply forces to the first and second portions of the user based on the interaction of the graphical image with a graphical object.

31. An interface device according to claim 30 wherein the first portion is a finger.

32. An interface device according to claim 31 wherein the second portion is a wrist.

33. An interface device according to claim 30 wherein the sensor comprises an encoder.

34. An interface device capable of communicating with a computer running an interactive computer application and generating a graphic image, the interface device comprising:
a peripheral device in communication with the computer and capable of being translated linearly by a user, the peripheral device comprising a force applying element adapted to apply a force to the user; and
a sensor coupled to the peripheral device to detect a position of the peripheral device to control the graphic image,
wherein the force applying element comprises a surface adapted to contact a portion of the user, a flexible forcing member coupled to the surface, and a force activator to provide a force to the forcing member based on the interaction of the graphical image with a graphical object.

35. An interface device according to claim 34 wherein the flexible member is a cable.

36. An interface device according to claim 34 wherein the forcing member is a motor.

37. An interface device according to claim 34 wherein the sensor comprises an encoder.

38. An interface device capable of communicating with a computer running an interactive computer application and generating a graphic image, the interface device comprising: